

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

***Listing of Claims:***

1. (Cancelled)
  
2. (Currently Amended) A method according to claim 3 [[1]], ~~characterized in that wherein~~ the definition of the at least one threshold value is effected by determining the threshold value.
  
3. (Currently Amended) A method for adjusting a bank note processing machine wherein threshold values of sensors are defined for recognizing bank notes unfit for circulation, comprising:  
selecting at least one bank note fit for circulation, wherein the selection of the fit bank note is based at least in part on the lack of soil, damage, or alien elements;  
selecting at least one bank note unfit for circulation, wherein the selection of the unfit bank note is based at least in part on the presence of soil, damage, or alien elements; and  
processing the selected bank notes by means of the bank note processing machine, whereby data of at least one sensor are stored; and  
defining at least one threshold value for the at least one sensor by evaluating the stored data of the at least one sensor;  
~~A method according to claim 1, characterized in that wherein the definition of the at~~

least one threshold value is effected by selecting the threshold value from a ~~multitude~~ plurality of pre-determined given threshold values.

4. (Currently Amended) A method according to claim 3 [[1]], ~~characterized in that~~ wherein bank notes fit for circulation and those unfit for circulation are processed separately.

5. (Currently Amended) A method according to claim 4, ~~characterized in that~~ wherein bank notes fit for circulation and those unfit for circulation are separated from each other by means of a separation card, the separation card being recognized during processing.

6. (Cancelled)

7. (Currently Amended) A method for adjusting a bank note processing machine wherein threshold values of sensors are defined for recognizing bank notes unfit for circulation, comprising:

selecting at least one bank note fit for circulation, wherein the selection of the fit bank note is based at least in part on the lack of soil, damage, or alien elements;

selecting at least one bank note unfit for circulation, wherein the selection of the unfit bank note is based at least in part on the presence of soil, damage, or alien elements;

processing the selected bank notes by means of the bank note processing

machine, whereby data of at least one sensor are stored; and  
defining at least one threshold value for the at least one sensor by evaluating the stored  
data of the at least one sensor; A method according to claim 6, characterized in that  
wherein bank notes fit for circulation and those unfit for circulation are processed  
jointly and at least one of the rate of the bank notes fit for circulation or the rate of those  
unfit for circulation is specified.

8. (Currently Amended) A method according to claim 3 [[1]], characterized in that  
wherein the method is carried out for each kind of bank notes.

9. (Currently Amended) A method according to claim 3 [[1]], characterized in that  
wherein at least one further threshold value is defined for at least one of bank notes fit  
for circulation or those unfit for circulation.

10. (Currently Amended) A method according to claim 9, characterized in that  
wherein the at least one further threshold value is defined for bank notes that are  
suitable for automatic cash dispensers.

11. (Currently Amended) A method according to claim 3 [[1]], characterized in that  
wherein the at least one threshold value is formed by a discriminant function.

12. (Currently Amended) The method according to claim 3 further comprising a [[A]]  
bank note processing machine for carrying out the method according to claim 3 [[1]].

13. (New) The method according to claim 7, further comprising a bank note processing machine for carrying out the method according to claim 7.
14. (New) A method according to claim 7, wherein the definition of the at least one threshold value is effected by determining the threshold value.
15. (New) A method according to claim 7, wherein the method is carried out for each kind of bank notes.
16. (New) A method according to claim 7, wherein at least one further threshold value is defined for at least one of bank notes fit for circulation or those unfit for circulation.
17. (New) A method according to claim 16, wherein the at least one further threshold value is defined for bank notes that are suitable for automatic cash dispensers.
- 18 (New) A method according to claim 7, wherein the at least one threshold value is formed by a discriminant function.